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is also given of the genera and species of *Commelinaceæ* in the U. S., *Commelina* containing 5 species, *Tradescantia* 5, and *Tinantia* 1. The changes are that *C. Cayennensis* Rich. and *C. communis* of Chapman, become *C. nudiflora*, L.; *C. erecta* of Gray and Chapman is *C. hirtella*, Vahl., while *C. erecta*, L. still ranges from Penn. to Fla. An arrangement of the species of *Bouteloua* is also given, the 25 species being arranged under 4 sections, as proposed by Bentham. These sections are *Chondrosium* with 10 species, *Atheropogon* with 10; *Triathera* with 2, and *Polyodon* with 3. *B. Burkei*, Scribner, *B. Havardi*, Vasey, and *B. Texana*, Watson, are three species proposed as new. *B. curtispindula*, Torr. becomes *B. racemosa*, Lag. The Ferns are described by Prof. Eaton and among them are two new species of *Cheilanthes*. The Mosses were determined by the late Thos. P. James, and the very few lower cryptogams by Prof. Farlow.

In the second part, which occupies but five pages, are descriptions of some new western species, 19 in number, from Texas, New Mexico, Arizona, California and up the coast to Washington Territory.

*Nouvelles Remarques sur la Nomenclature Botanique*, par M. Alph. De Candolle. Genève, 1883.

This pamphlet of 80 pages contains discussions of subjects which have arisen since the author's publication, in 1867, of the "Lois de la nomenclature botanique," especial attention being devoted to Dall's report on "Nomenclature," etc., to the Nashville meeting of the A. A. S., in 1877; the report of M. Donville of the Geological Congress at Bologna, in 1881, upon the same subject; and the rules proposed by M. Chapert to the Zoological Society of France, in 1881.

The first part contains some observations and discussions upon various articles in the laws of 1867, the most important of which are concerning the point of departure for the law of priority, the citation of authors' names, both of species edited and inedited, and the names to be rejected or modified, and those which should be retained in spite of some defects.

The second part deals with new questions or those concerning which the Congress of 1867 was not specific, such as the nomenclature of organs, of fossils, of inferior groups or varieties, the use of capitals in the specific name.

The third and last part contains the text of the laws in full as adopted by the Congress, and indicates the proposed changes.

## ARTICLES IN JOURNALS.

- ELLIS, J. B. & B. M. EVERHART.—New species of Fungi (6 species), *Torr. Bull.* 10. 76.  
 FARLOW, W. G.—Notes on some species in the third and eleventh centuries of Ellis' N. Am. Fungi, *Proc. Am. Acad.* 18. 65.  
 GRATACAP, L. P.—The growth of plants in acid solutions, I, *Am. Nat.* 17. 970.  
 GRAY, ASA.—Genera Plantarum by Bentham and Hooker (notice of the completion of the work), *Nation*, July 19, 1883; *Am. Jour. Sci.* 3. 26. 245.  
 GRAY, ASA and J. H. TRUMBULL.—Review of De Candolle's Origin of Cultivated Plants, with Annotations upon certain American Species (concluded from page 255 of Vol. XXV.), *Am. Jour. Sci.* 3. 26. 128.  
 HILL, E. J.—Means of Plant Dispersion, *Am. Nat.* 17. 811.  
 HOOPES, JOSIAH.—*Pinus Koraiensis*, *Proc. Philad. Acad.* 1883. 114.  
 JONES, MARCUS E.—New plants from California, Nevada, etc., (6 species), *Am. Nat.* 17. 875 and 973.  
 MEEHAN, THOS.—Contraction of Vegetable Tissues under Frost, *Proc. Philad. Acad.* 1883. 74.  
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 NEWBERRY, J. S.—Notes on some Fossil Plants from Northern China, *Am. Jour. Sci.* 26. 123.  
 PECK, CHAS. H.—New species of Fungi (11 species), with plate, *Torr. Bull.* 10. 73.  
 SCHIMPER, A. W. F.—Review of his "Ueber die Entwicklung der Chlorophyllkörner und Farbkörper" by H. Marshall Ward, *Nature*, 28. 267.  
 SCRIBNER, F. LAMSON.—List of Grasses from Wash. Terr. (1 new species, *Glyceria Canbyi*), *Torr. Bull.* 10. 77.  
 TRASK, J. D.—Cases of Mushroom Poisoning, *Am. Jour. Med. Sci.* April, 1883.  
 TRUMBULL, J. HAMMOND.—See under GRAY above.  
 WATSON, SERENO.—Contributions to N. Am. Botany, XI (60 new species), *Proc. Am. Acad.* 18. 96.  
 WTTROCK, V. B.—Review of his "Snow and Ice Flora," by Mary P. Merrifield, *Nature*, 28. 1304.